

TCTO PHASE 1 FORM	
¹ CASE FILE #	² TCTO #
SECTION 3 COMPLETED BY SFCCB	
APPROVED	DISAPPROVED
¹⁷ CG-64: <div style="text-align: center;">_____</div> SIGNATURE	<div style="text-align: center;">_____</div> SIGNATURE
¹⁸ CG-751/731: <div style="text-align: center;">_____</div> SIGNATURE	<div style="text-align: center;">_____</div> SIGNATURE
¹⁹ CG-451: <div style="text-align: center;">_____</div> SIGNATURE	<div style="text-align: center;">_____</div> SIGNATURE
²⁰ CG-1131: <div style="text-align: center;">_____</div> SIGNATURE	<div style="text-align: center;">_____</div> SIGNATURE
FOR ACQUISITION ONLY	
²¹ CG-931: <div style="text-align: center;">_____</div> SIGNATURE	<div style="text-align: center;">_____</div> SIGNATURE
²² SFCCB MANAGER RETURNS FINDINGS TO PRODUCT LINE	<div style="text-align: center;">_____</div> DATE

1. APPLICATION

This technical order is applicable to CGC HEALY.

2. PURPOSE

Renovate CGC HEALY's Future Lab (01-117-0-Q) to improve the work conditions and functionality. Remove two 19" electronic racks and one small work bench. Mount fiber patch on unistrut behind removed electronic racks. Lower the existing 42" benches to heights of 30". Relocate 5 storage cabinets that obstruct lowering the existing 42" benches. Raise the 30" bench located aft, starboard of compartment. Relocate the internet terminals to be accessible by raised bench. Install Type I Electrical Grade matting.

TCTO/SCTO COORDINATOR

Technical questions or comments associated with this TCTO referred to CGC HEALY, telephone number (206) 217-6300, fax number (206) 217-6309.

4. WHEN TO BE ACCOMPLISHED

This TCTO should be accomplished during 2012 repair availability.

5. BY WHOM TO BE ACCOMPLISHED

TCTO will be accomplished by subcontractors. All materials and costs STARC shall manage.

6. WHAT IS REQUIRED**a. SUPPLY INFORMATION AND REQUIREMENTS**

- (1) Kits/Parts/Materials furnished by the unit

Not applicable

- (2) Kits/Parts/Materials Required

The following parts required to comply with this TCTO/SCTO are not furnished in a kit and will be obtained through the appropriate supply source.

QTY	NIIN	Nomenclature
1	N/A	Fabricated Bench Section

- (3) Action Required on Items in Stock

Not applicable

- (4) Kits/Parts/Materials Required to Modify Items in Stock

Not applicable

- (5) Disposition of Removed and Replaced Parts/Materials

Not applicable

- (6) Drawings Required

- 1.) 420 WAGB 801-001 – Update to new configuration
- 2.) 420 WAGB 666-003 – Update to new configuration

b. PERSONNEL INFORMATION AND REQUIREMENTS

All work to be completed by STARC Contractor

<u>WORK PHASE</u>	<u>SKILLS</u>	<u>LABOR-HOURS</u>
Remove electronic racks	Fabricator	35
Raise and lower benches	General Laborer	15
Mount fiber patch to bulkhead	Electronics Tech	10
Relocate internet terminal	Information Tech	5
Install Type I Electrical Grade Matting	General Laborer	15
Inspection	CG QA	10
TOTAL		90

c. SPECIAL TOOLS, FIXTURES, AND SOFTWARE REQUIRED

Not applicable.

7. HOW WORK IS ACCOMPLISHED

This TCTO will require the following:

- a. Remove two 19” electronic racks. The supporting angle iron underneath the racks shall be cut flush with the deck. The deck shall be restored to original condition.
- b. Mount fiber patch to the bulkhead behind the removed electronic racks.
- c. Bench heights are adjustable. Lower all 42” benches to one continuous 30” bench. Relocate the 5 desk cabinets that are currently obstructing the alteration to the benches that shall be raised.
- d. Raise the 30” desk bench that is located starboard, aft in the Future Lab. Relocate internet terminals to higher location to be accessible by the work station.
- e. Install Type I Electrical Grade Matting.

8. SUPPLEMENTAL INFORMATION

a. OPERATIONAL CHECKOUT REQUIREMENTS

Quality assurance inspection.

b. WEIGHT AND BALANCE INFORMATION

No change

c. TECHNICAL PUBLICATIONS AFFECTED

Number	Title
N/A	NA

d. TRAINING EQUIPMENT AFFECTED

No change

9. RECORDS

a. ACTION REQUIRED ON MAINTENANCE RECORDS

Not applicable.

b. ACTION REQUIRED ON SUPPLY RECORDS

Not applicable.

c. MODIFICATION IDENTIFICATION MARKING

Not applicable.

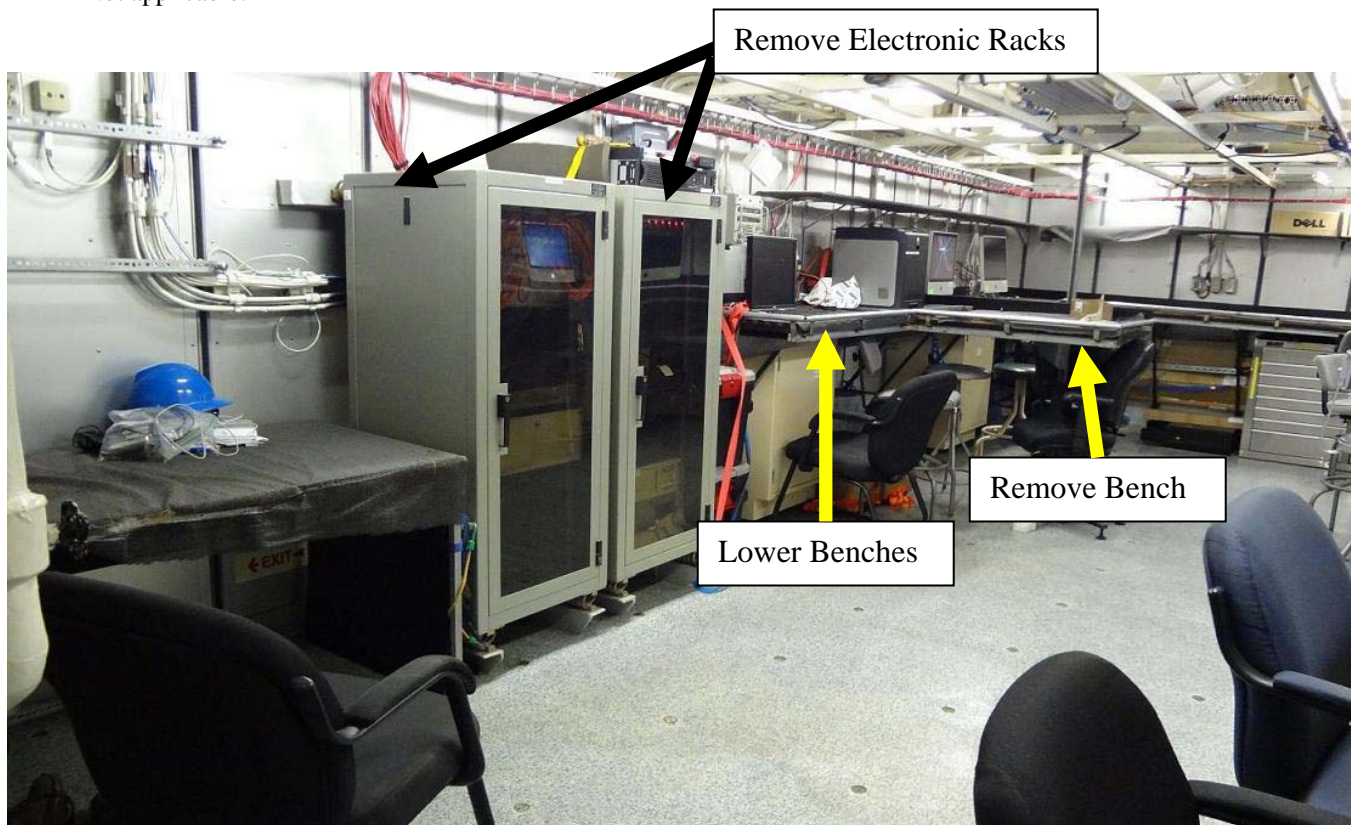


Figure 1: Future Lab aspect port, forward

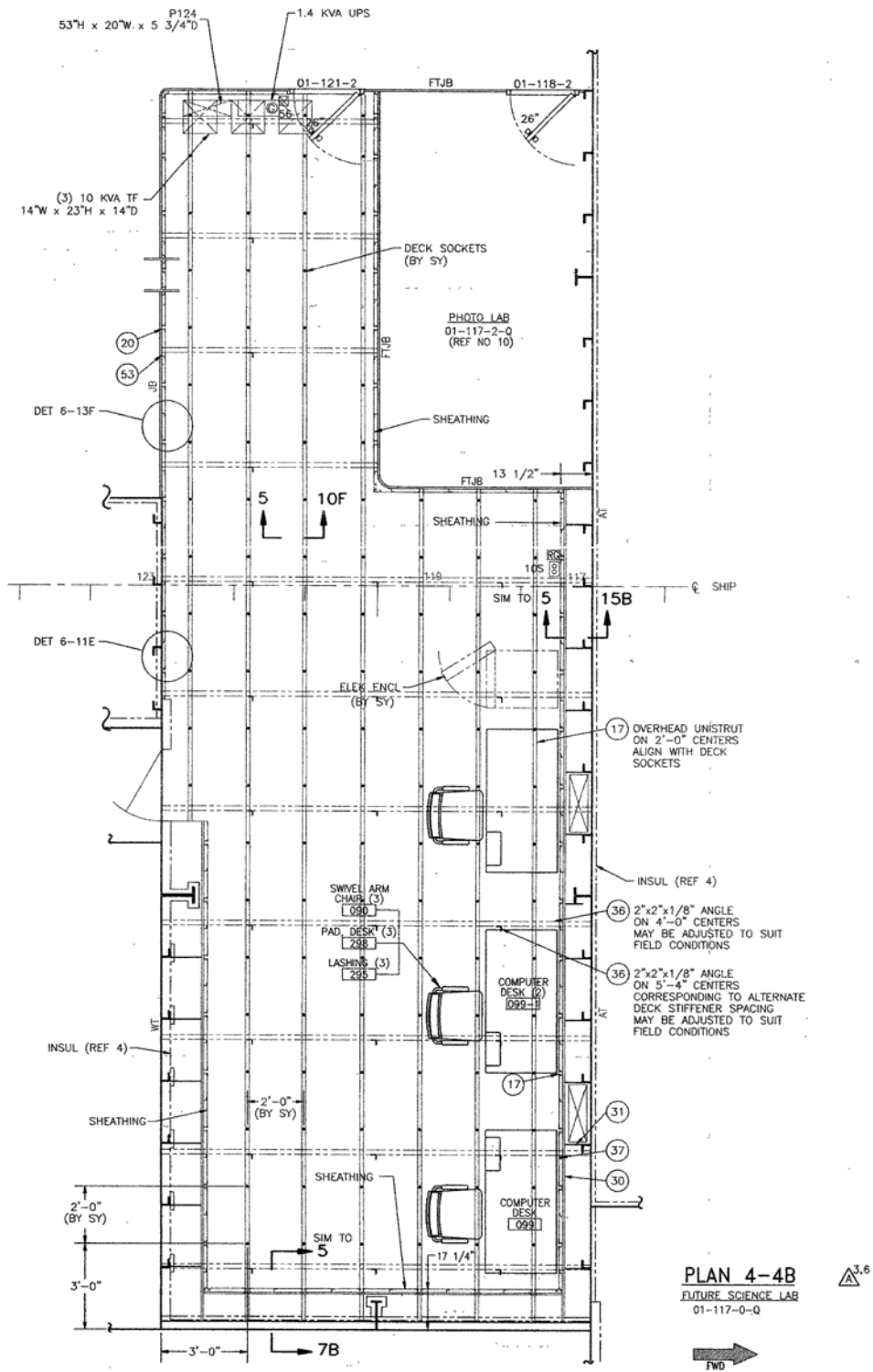


Figure 2: Existing Future Science Lab Floor Plan (420 WAGB 666-003)

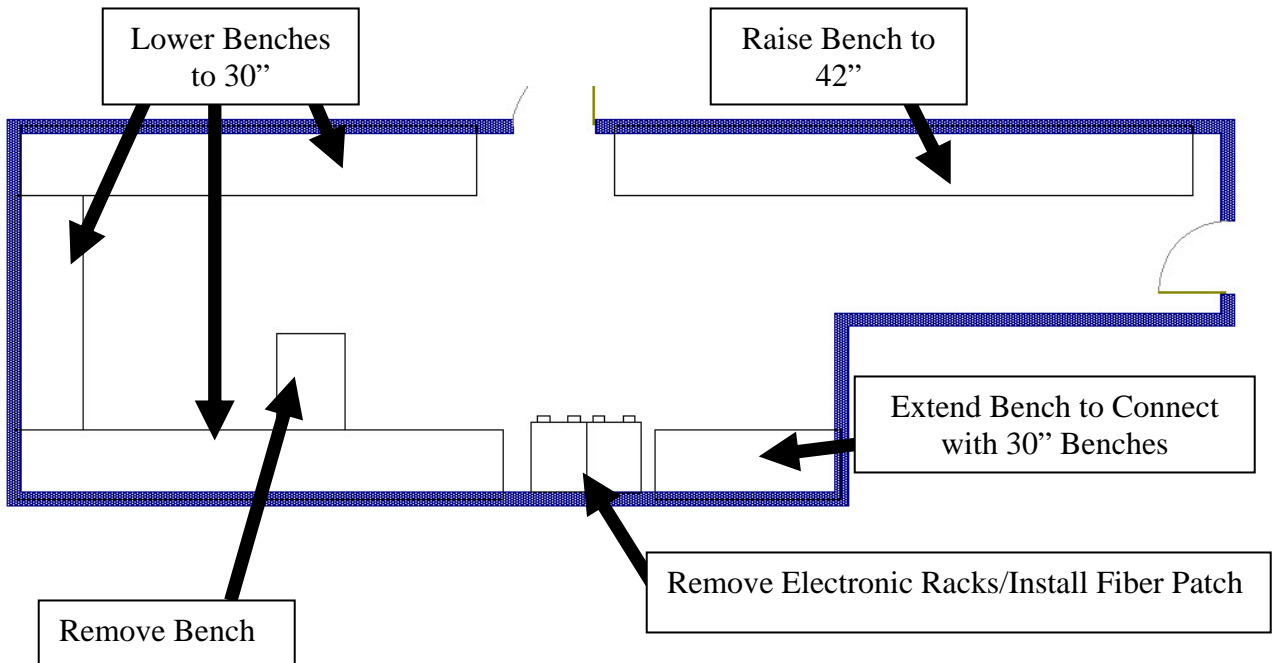


Figure 3: Modifications to Future Lab